

ABSTRACT

A wheel hub with clutch where power is transferred through a drive, such as a chain that is linked between a peddle arrangement and a gear or gears splined onto the hub. The hub provides free-wheeling when torque is not applied thereto and will instantly engage, transferring an applied torque therethrough and into a wheel connected to the hub when torque is applied as through a peddle arrangement. For locking, the hub includes, as a radial load bearing component, a sleeve whereon a gear or gears are splined, with the splined gear sleeve mounting a thick ring for fitting into an end of a wheel sleeve. The thick ring contains spaced sloping pockets, each containing a ball bearing. The wheel sleeve includes an annular ring that receives the thick ring fitted there and has spaced steps, or the like, formed therein to engage the ball bearing surfaces, transferring torque.

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